NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING

Date 8-7-01

Address N- FRANCISCO BETWEEN NORMANDIE AND HARBOR GATEWAY CA.

Project Number 5936-96

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS. ABANDONED UTILITIES, AND DEMOLITION DEBRIS ENCOUNTERED WERE ADEQUATELY REMOVED FROM FILL INCLUDING CONCRETE FOOTINGS FOUND 4' OR LESS BELOW SUBGRADE IN UNCERTIFIED FILL AREAS WHICH WERE FOUND 8-3-01 AND 8-6-01.

TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION.

Accepted by

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING

Date 8-6-01

Address N. FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY LA

Project Number 5936-96

OBSERVATION AND TESTING GRADING OPERATIONS AT ABOVE ADDRESS. INSPECTED AND APPROVED BOTTOM OF OVER EXCAVATION. CONCRETE, ABANDONED UTILITY LINES, AND DEMOLITION DEBRIS ENCOUNTERED WERE ADEQUATELY REMOVED TO NATIVE MATERIAL. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION.

Accepted by

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING

Date 8-3-01

Address N. FRANCISCO BETWEEN NORMANDIE AND HARBOR GATEWAY LA.

Project Number 5936-96

OBSERVED AND TESTED GRADING OPERATIONS AND KNOX ST MAN HOLE BACK FILL, AT ABOVE ADDRESS. OBSERVATION OF ADEQUATE REMOVAL OF ABANDOND PIPES, AND DEMOLITION DEBRIS BY USE OF 966 LOADER, SKIP LOADER, AND LABORS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. INSPECTED AND APPROVED BOTTOMS OF OVER EXCAVATION.

Accepted by

NorCal Representative